SBR No. 20 | 21.22
DATED 07.07.2021

EE/ELE/Y/BR No. 20 | 21.22
Dt. 07.07.202

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & Final bill
Date.....2010

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-007-18-000130**

Schedule Docket No. Head of Account : P-CODE:P 0294 D.R.No. :

Name of Work:- Annual Maintenance of electrical installation to BBMP Divisional and Sub Divisional buildings coming under yelahanka Zona.

Name of Contractor and Full Address: **M/s Power Mac Electricals**

Reference to Agreement No:EE/Ele/YZ/WO/000009/19-20 Date:21/06/2019

Certified that the measurements were taken by me on 10/06/21 and recorded of Pages 256447 to 256455 of Measurement Book No. 2565/2018-19 and that the work is satisfactorily executed.

For POWER MAC

Raju

Contractor
Proprietor

Officer-in-charge of work

Certified that the measurement were taken by me on 10/6/21 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	1st and Final bill 396289:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	IT 1+ 3963:00 Lwe 1+ 3963:00 SBFee 1+ 396:00 Cust 1+1. 3538:00 Scst 1+ 3538:00
	b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Deduction 15398:00 by cheque 3,80,891:00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor	unadjustments items
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	

For POWER MAC

Total amount adjusted -

Raju
Proprietor

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

For POWER MAC

Witness
1. Raju
2. Proprietor

Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Stamp

(For use in the Office)

Passed and Recorded

396289:00
3,80,891:00
15,398:00

Executive Engineer

Sl. No	Description	Unit
	Name Of Work:-Annual Maintenance of electrical installation to BBMP Divisional and Sub Divisional buildings coming under yelahanka Zona.	
1	Licenced electrician wiremen fitter with tools (Skilled) Rs.13365/Person/Month. Rs.13365*12=1,60,380/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person
2	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)Regular model	Each
3	Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS-13947. 2) 125Amps	Each
4	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Each
5	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Mtr
6	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Rmt
7	4)4 sqmm	P/Mtr
8	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 6Amps SP Switch	
9	6Amps 3 way 5 pin Socket	Nos
10	16 Amps SP switch	No
11	16 Amps 3 way 5 pin socket	No
12	32 Amps Bakelite DP	No
13	16/6 Amps combined plug and socket wit control switch	No
14	2'/4' - 36/40 Watts Fluorescent Tubes: Supplying and fixing of 36W Fluorescent Tube with 36W power consumption with initial lumen of 2750 (3000 deg K / 4000 deg K) with rated avg life of greater than 10000 hrs.	No
15	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance)	No
16	Supplying of of 2 pin/4 pin 18W CFL Lamp	No
17	Condenser for ceiling fan/MV/SV/MH and other luminaires Upto 4 mfd	No
18	Upto 8 mfd	No
19	Stepped Fan Regulator.	Each
20	LED Indoor Supplying of 4' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical conditionLED light fighting 4' - 28 watts	Nos
21	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/Micro processed release and Earth Fault as per IS-13947. (Icu=Ics). FOUR POLE 6) 125-160Amps 25kA.	Each
22	Supplying, installaion, testing & commis-sioning of 12Volts.. AH batteries in poly propylene container for D.G Sets low maintenance batteries. 4) 150 AH, Acid batteries.	Each

Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty	Cost	Qty	Rate	Amount	Qty	Cost	
Per Person			1	160380.00	160380.00	1	160380.00	
Each			4	2300.00	9200.00	4	9200.00	
Each			2	5000.00	10000.00	2	10000.00	
Each			4	2500.00	10000.00	4	10000.00	
Mtr			15	360.00	5400.00	15	5400.00	
Rmt			91	18.60	1692.60	91	1692.60	
/Mtr			91	42.70	3885.70	91	3885.70	
			73	35.00	2555.00	73	2555.00	
Nos			23	50.00	1150.00	23	1150.00	
No			15	85.00	1275.00	15	1275.00	
No			15	90.00	1350.00	15	1350.00	
No			10	150.00	1500.00	10	1500.00	
No			10	260.00	2600.00	10	2600.00	
No			58	48.00	2784.00	58	2784.00	
No			19	370.00	7030.00	19	7030.00	
No			31	120.00	3720.00	31	3720.00	
No			15	77.00	1155.00	15	1155.00	
Each			10	102.00	1020.00	10	1020.00	
Nos			10	280.00	2800.00	10	2800.00	
			20	1774.00	35480.00	20	35480.00	
Each			2	5406.00	10812.00	2	10812.00	
Each			1	20600.00	20600.00	1	20600.00	

23	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs
24	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure25 sqmm to 75 sqmm	Mtrs
25	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
26	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C.	Each
27	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 11) 95 sq mm long barrel	Each
28	15) 240 sq mm long barrel	Each
29	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4) 5)160-200Amps	Each
30	3) 60-70 amps	Each
31	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps TPN	Each
32	3) 5-32Amps DP	Each
33	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Each
34	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each
35	Fixing of .... Amps TPST / change over switch / Contactor along with neutral link with screws, bolts nuts and wiring using required capacity wires and circuit labeling.00A to 250A TPST	Each
36	Rewinding a .... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM	Each
37	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws Ding Dong Bell	Each
38	Musical	Each
39	Remote	Each
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carteid out satisfactorily

Asst. Executive Engineer (Elec.)
Yelahanka Sub-Division
Bruhat Bangalore Mahanag... Palike

Mtrs		116	140.40	16286.40	116	16286.40	
Mtrs		116	34.80	4036.80	116	4036.80	
Mtrs		98	78.00	7644.00	98	7644.00	
Each		6	442.00	2652.00	6	2652.00	
Each		3	149.75	449.25	3	449.25	
Each		3	478.92	1436.76	3	1436.76	
Each		2	15974.00	31948.00	2	31948.00	
Each		2	4774.00	9548.00	2	9548.00	
Each		4	1936.00	7744.00	4	7744.00	
Each		6	849.00	5094.00	6	5094.00	
Each		20	98.00	1960.00	20	1960.00	
Each		8	139.00	1112.00	8	1112.00	
Each		2	387.00	774.00	2	774.00	
Each		6	630.00	3780.00	6	3780.00	
Each		3	200.00	600.00	3	600.00	
Each		3	358.00	1074.00	3	1074.00	
		4	940.00	3760.00	4	3760.00	
				396288.51		**13060.00**	

396288.51